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<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	10/651,104	KIM, IK-SOO	
	Examiner	Art Unit	
	Dung Nguyen	2871	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**  
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to terminal disclaimer filed 01/18/2007.
2. ☒ The allowed claim(s) is/are 29,31,33,35,37,38,40,42,43 and 45.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☒ Certified copies of the priority documents have been received in Application No. 09/860,590.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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### DETAILED ACTION

Applicants' response and Terminal Disclaimer dated 01/18/2007 have been received and entered. Claims 29, 31, 33, 35, 37-38, 40, 42-43 and 45 are pending in the application. Claim 47 stand withdrawn from consideration.

#### *Examiner's Amendment*

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's representative, Valerie P. Hayes on 04/06/2007.

The application has been amended as follows:

. Please insert new Abstract as follow:

#### ABSTRACT

The present invention discloses an IPS LCD device. The IPS LCD device according to the present invention implements a plurality of transparent common and pixel electrodes. Since the plurality of common and pixel electrodes are made from the transparent material on the same plane, the IPS LCD device has a high aperture ratio, a high brightness quality, and therefore a low power consumption. In another aspect, the IPS LCD device according to the present invention implements overlapped data line and outermost common electrode. To form the overlapped data line and outermost common electrode, an organic passivation layer is used such that cross talk between the data line and the outermost common electrode is prevented. Then, because the overlapped data line and outermost common electrode serve as a black matrix such that no black matrix is needed. Therefore, an aperture ratio of the IPS LCD device is further improved.

. This application is in condition for allowance except for the presence of claim 47 directed to non-elected without traverse. Accordingly, claim 47 been cancelled.

*Reasons for Allowance*

Claims 29, 31, 33, 35, 37-38, 40, 42-43 and 45 are allowed.

The following is an examiner's statement of reasons for allowance:

The terminal disclaimer filed on 01/18/2007 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of the US Patent No. 6,661,492 has been reviewed and is accepted. The terminal disclaimer has been recorded.

The references of record neither disclose nor make obvious an in-plane switching liquid crystal display device comprising a combination of various elements as claimed, more specifically of a capacitor electrode, an auxiliary pixel electrode and an auxiliary common electrode on the second insulating, wherein the auxiliary common electrode electrically contacts respective first ends of the common electrodes and electrically contacts the common line via a contact hole through the first and the second insulating layers as set forth in claims 29 and 37.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

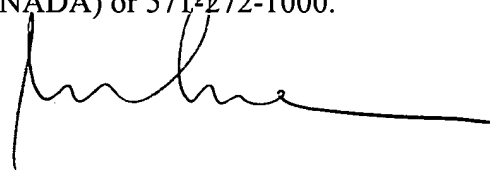
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung Nguyen whose telephone number is 571-272-2297. The examiner can normally be reached on Tuesday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DN  
04/06/2007



***Dung Nguyen***  
***Primary Examiner***  
***Art Unit 2871***